

# PREVOST

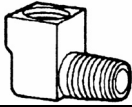

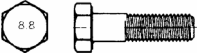


## Instruction Sheet

## IS-08003

### REPLACEMENT OF THE FUEL SYSTEM PRIMING PUMP

#### MATERIAL

Kit #032833 includes the following parts:

| Part No. | Description                       | Identification  | Qty |
|----------|-----------------------------------|---|-----|
| 501787   | Elbow, 1/8PM X 1/4PF              |    | 1   |
| 501881   | Elbow, 1/8PM X #6JM               |    | 1   |
| 502758   | Bolt, Hexagonal Head M6X30 G8.8   |    | 2   |
| 500877   | Washer, Flat .250 x .562 x .065   |   | 2   |
| 502681   | Nut, Hexagonal, Nylon Insert M6-1 |  | 2   |
| 531477   | Pump, Priming Electrical          |   | 1   |
| IS-08003 | Instruction Sheet                 |   | 1   |
| FI-08003 | Feuille d'instructions            |   | 1   |

#### PROCEDURE



#### DANGER

Park vehicle safely, apply parking brake, stop engine and set battery master switch(es) to the OFF position prior to working on the vehicle. Ensure to safely support the vehicle by its jacking points during repair. Only the recommended jacking points must be used as outlined in Section 18 of Maintenance Manual: "Body" under heading "Vehicle jacking points" or in Operator's Manual.

1. Close the fuel system shut-off valves located near the primary and secondary filters or near the "Davco Fuel Pro 382" Filter.
2. Raise the vehicle using the recommended jacking points.
3. Remove the defective priming pump. The pump may have been installed on the engine or on the engine cradle.

## PART A: PUMP INSTALLED ON THE ENGINE

1. As mentioned before, remove the pump and its bracket from the engine.

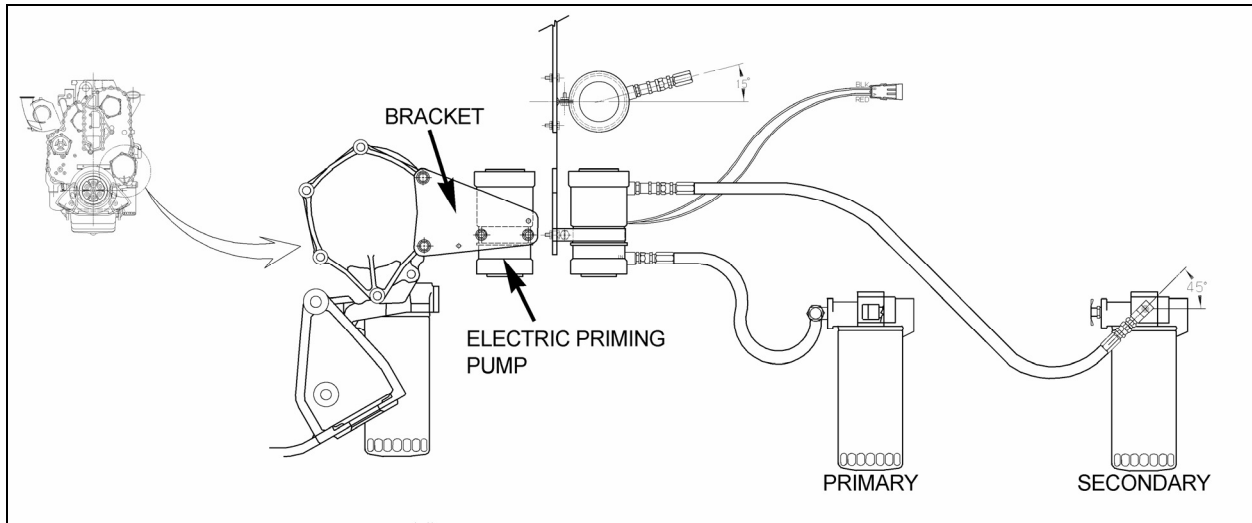


FIGURE 1: FORMER INSTALLATION

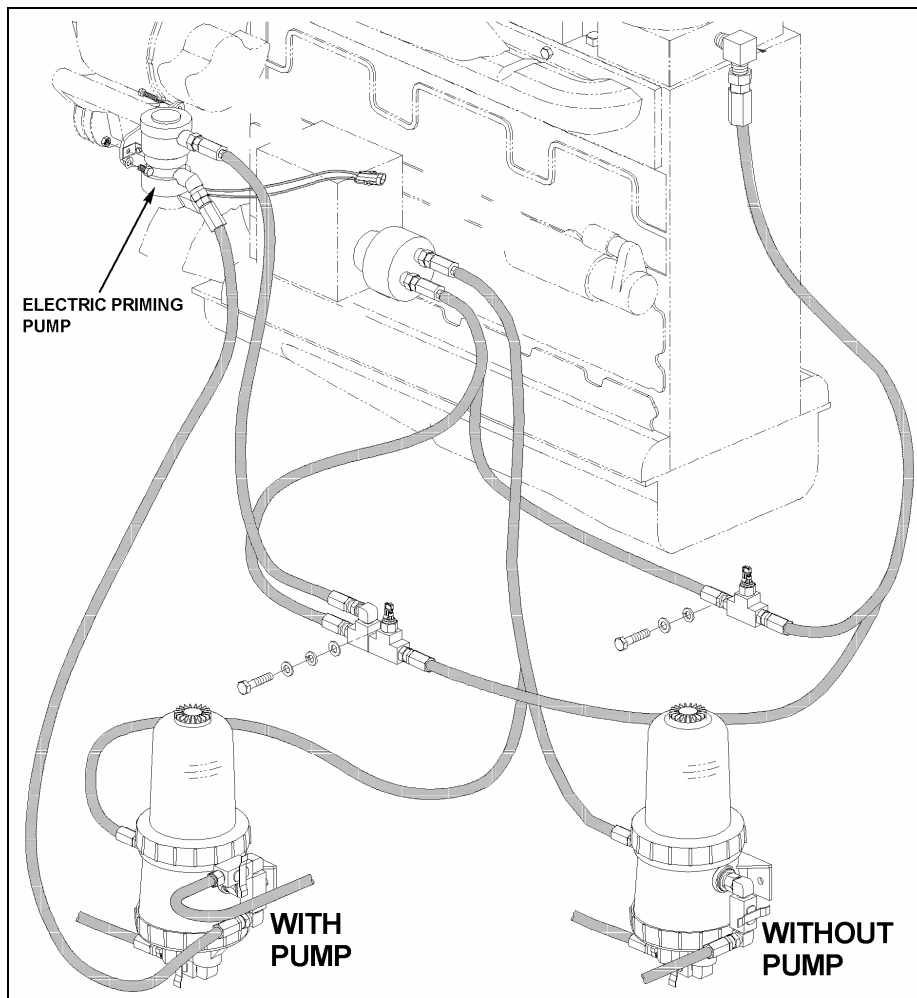
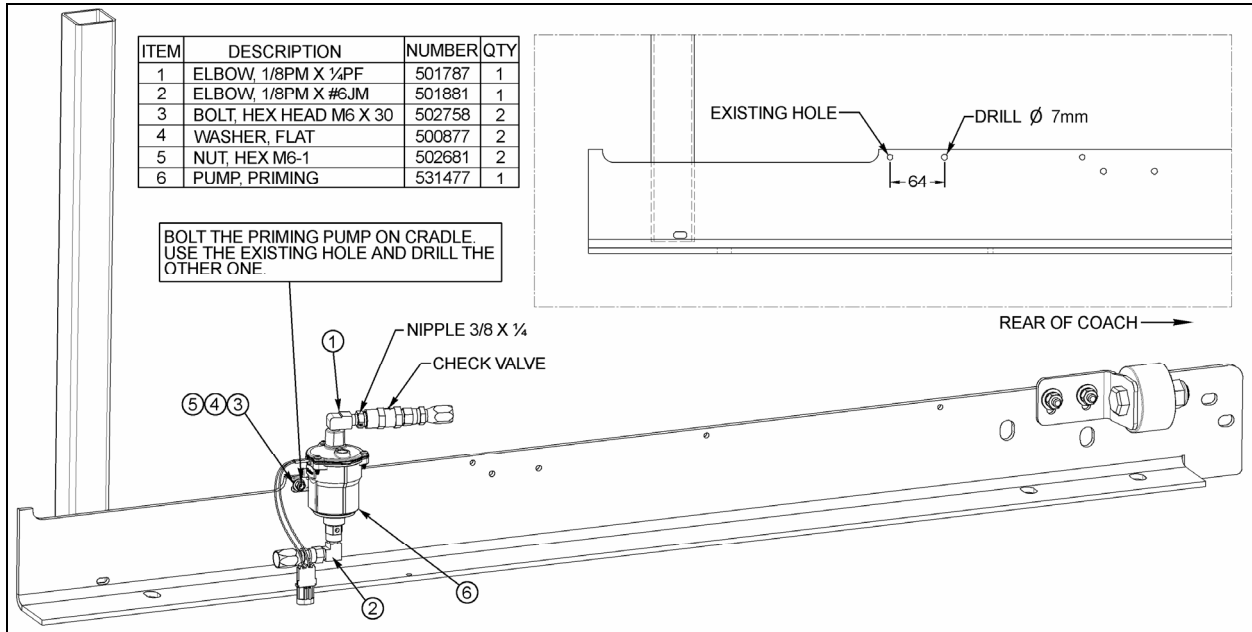


FIGURE 2: FORMER INSTALLATION FEATURING DAVCO FUEL PRO 382 FILTER

- To prevent vibration from damaging the pump in the course of time, it is necessary to reinstall the new pump on the engine cradle.
- First of all, drill a 7mm-diameter hole into the engine cradle, 64mm from the existing hole (Refer to figure 3).



**FIGURE 3: NEW PRIMING PUMP INSTALLATION ON ENGINE CRADLE**

- Apply some Teflon “Loctite” paste (680098) or some 1/2” Teflon tape (680110) onto the elbows (501787) and (501881) threads. Fasten the elbow (501787) to the priming pump top and elbow (501881) to the priming pump bottom. Pointing of the elbows will be according to the installation.



## CAUTION

Make sure that Teflon “Loctite” paste (680098) cannot get into the fuel lines.

- Secure the electric priming pump (531477) to the engine cradle. Use two bolts (502758), two washers (500877) and two nuts (502681).
- Connect fuel lines to the electric priming pump elbows. Connect electric power. Make sure that connections do not leak.

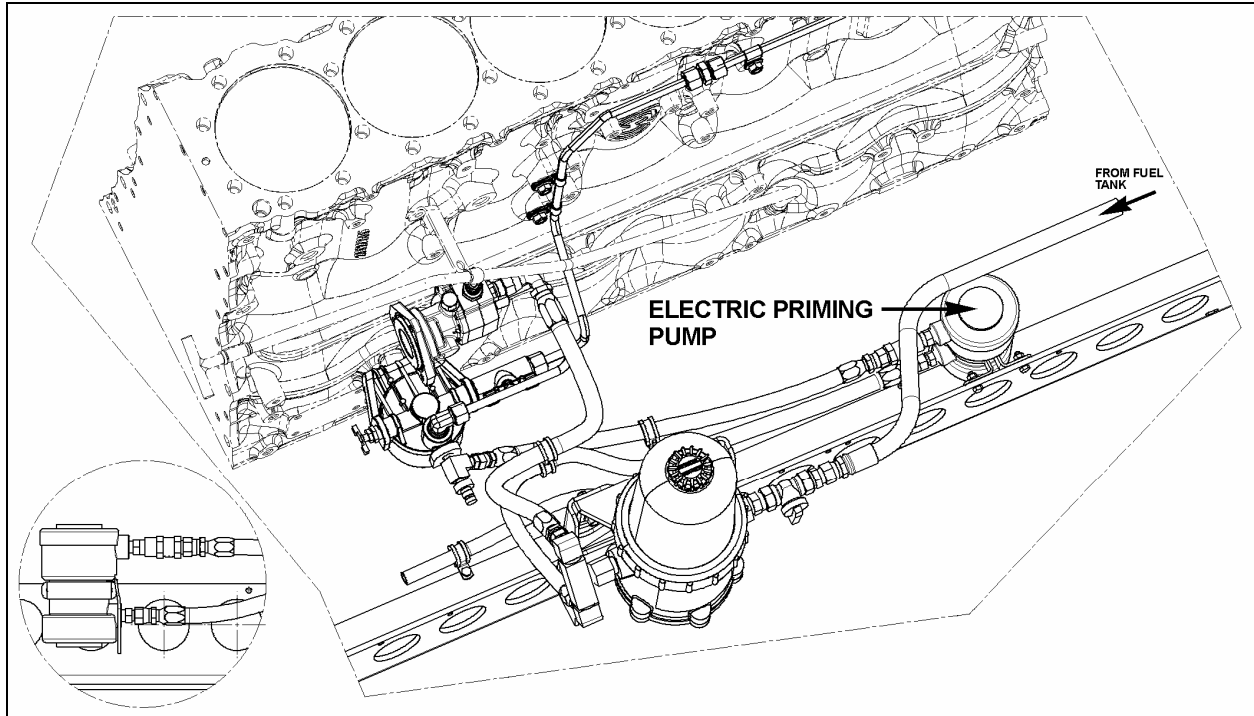
## PART B: PUMP ALREADY INSTALLED ON THE ENGINE CRADLE

- As mentioned before, remove the pump from the engine cradle (Refer to figure 4).
- Apply some Teflon “Loctite” paste (680098) or some 1/2” Teflon tape (680110) onto the elbows (501787) and (501881) threads. Fasten the elbow (501787) to the priming pump top and elbow (501881) to the priming pump bottom. Pointing of the elbows will be according to the installation.



## CAUTION

Make sure that Teflon “Loctite” paste (680098) cannot get into the fuel lines.



**FIGURE 4: FORMER INSTALLATION**

3. Secure the new electric priming pump (531477) to the engine cradle. Use two bolts (502758), two washers (500877) and two nuts (502681).
4. Connect fuel lines to the electric priming pump elbows. Connect electric power. Make sure that connections do not leak.